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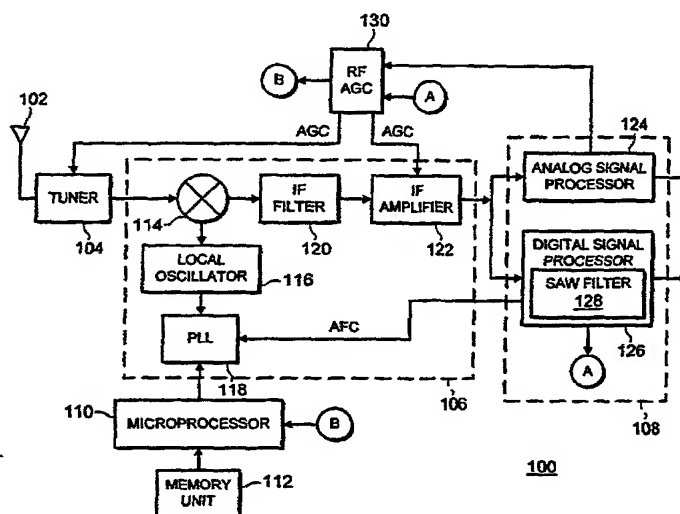
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(54) Title: TELEVISION RECEIVER FOR DIGITAL SIGNALS WITH OFFSET TUNING PROVISIONS



(57) Abstract: A television receiver for receiving digital and analog signals that reduces adjacent channel interference when receiving digital signals susceptible to interference caused by a lower adjacent NTSC signal. Upon receiving the digital signal, the receiver heterodynes the digital signal with a local oscillator (LO) signal to produce an intermediate frequency (IF) signal. A microprocessor searches a memory unit for stored information regarding the digital broadcast channel and determines the presence or absence of a lower adjacent NTSC channel. In the case a lower adjacent NTSC channel is present, the microprocessor shifts the frequency of the LO signal causing the IF signal to shift towards the lower band edge of a surface acoustic wave (SAW) filter present in a digital signal processor further attenuating the lower adjacent NTSC channel.